

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

BRÖNDRUP

Atty. Ref.: 3842-7

Serial No. to be assigned

Group: unknown

Filed: February 21, 2001

Examiner: unknown

For: WIRELESS RESERVATION, CHECK-IN, ACCESS CONTROL, CHECK-OUT  
AND PAYMENT

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**PRELIMINARY AMENDMENT**

In order to place the above-identified application in better condition for  
examination, please amend the application as follows:

**IN THE CLAIMS**

Please amend claims 1-4 and 7-10 as follows:

1. {AMENDED} A system providing wireless hotel search and selection, and, for the selected hotel, room reservation/booking, check-in, room access control, check-out and payment services for hotel customers by combining wireless applications for hotel search and reservation/booking services, a wireless applications for check-out and payment services, and wireless hardware and applications for hotel door locks, characterised in that the system comprises a plurality of appropriately adapted mobile terminals, each such mobile terminal including a short range wireless device and a long or medium range mobile telephone and processing unit operating with wireless application programs, network communication means, hotel search and reservation/booking server means, and a plurality of hotel reservation/IT systems, wherein said mobile terminals, server means and reservation/IT systems communicate by said communication network means, and wherein each hotel reservation/IT system is in communication with a plurality of

associated short range wireless door lock devices capable of communicating with in-range wireless devices of said mobile terminals.

2. {AMENDED} The system of claim 1, characterised in that the system further comprises at least one electronic payment server communicating by said communication network means with one or more of said terminals, server means and/or reservation/IT systems.

3. {AMENDED} The system of claim 1, characterised in that the system further comprises additional corresponding wireless devices in communication with the hotel reservation/IT system for providing communication with nearby ones of said appropriately adapted mobile wireless terminal.

4. {AMENDED} The system of claim 1, characterised in that one or more wireless application programs of the mobile terminal are implemented by application means selected from a group including WAP (WIVIL/WML Script), typical Web applications (HTML/Java Script) and Java Application/Applet.

7. {AMENDED} The method of claim 5, characterised in that the method further includes, for user check-out from the hotel and bill settlement, the additional steps of a user, by means of wireless applications of the mobile terminal, connecting to a hotel search and reservation/booking server, and, while connected to the hotel search and reservation/booking server, communicating to the hotel reservation/IT system a check-out request, receiving therefrom bill information, sending thereto a bill acceptance, receiving from a payment server a payment authorisation request, sending thereto a payment authorisation response, and by the hotel reservation/IT system, upon receiving a payment verification, sending a key token deactivation message to the wireless door lock of the respective reserved room.

8. {AMENDED} The method of claim 5, characterised in that the method further includes, for user check-out from the hotel and bill settlement by means of triggering of automatic check-out or generation of a payment request from the hotel reservation/IT system to the payment server after exit registration or expiration of the reservation period , the additional steps of registering the exit from the hotel of a user by means of the wireless device of the mobile terminal and an additional wireless device located at the hotel exit, wherein, *if* user payment is registered on or prior to the registration of exit, the check-out is registered, or, if the reservation period expires and user payment is not registered on or prior to the expiration of the reservation period, the hotel reservation/IT system automatically generates a payment request to a payment server is, whereupon the user receives from a payment server a payment authorisation request, sends thereto a payment authorisation response, and wherein the hotel reservation/IT system, upon receiving a payment verification from the payment server, sends a key token deactivation message to the wireless door lock of the respective reserved room.

9. {AMENDED} The method of claim 5, characterised in that any short range wireless devices are compliant with the Bluetooth industry standard.

10. {AMENDED} The system of claim 1, characterised in that short range wireless devices associated with mobile terminals and wirelessly operable door locks are compliant with the Bluetooth industry standard.

### REMARKS

The amendments to claims 1-4 and 7-10 are depicted in bracket and underline format below:

1. {AMENDED} A system providing wireless hotel search and selection, and, for the selected hotel, room reservation/booking, check-in, room access control, check-out and payment services for hotel customers by combining wireless applications for hotel search

and reservation/booking services, a wireless applications for check-out and payment services, and wireless hardware and applications for hotel door locks, characterised in that the system comprises a plurality of appropriately adapted mobile terminals [(1)], each such mobile terminal including a short range wireless device [(25)] and a long or medium range mobile telephone and processing unit [(23)] operating with wireless application programs, network communication means [(5)], hotel search and reservation/booking server means [(12)], and a plurality of hotel reservation/IT systems [(7)], wherein said mobile terminals [(1)], server means [(12)] and reservation/IT systems [(7)] communicate by said communication network means [(5)], and wherein each hotel reservation/IT system [(7)] is in communication [(8)] with a plurality of associated short range wireless door lock devices [(9,3 2)] capable of communicating with in-range wireless devices [(25)] of said mobile terminals [(1)].

2. {AMENDED} The system of claim 1, characterised in that the system further comprises at least one electronic payment server [(14)] communicating by said communication network means [(5)] with one or more of said terminals [teminals (1)], server means [(12)] and/or reservation/IT systems [(7)].

3. {AMENDED} The system of claim 1 [or 2], characterised in that the system further comprises additional corresponding wireless devices [(16)] in communication [(15)] with the hotel reservation/IT system [(7)] for providing communication with nearby ones of said appropriately adapted mobile wireless terminal [(1)].

4. {AMENDED} The system of [anyone of the previous claims] claim 1, characterised in that one or more wireless application programs of the mobile terminal are implemented [implemeted] by application means selected from a group including WAP (WIVIIIL/WML Script), typical Web applications (HTML/Java Script) and Java Application/Applet.

7. {AMENDED} The method of claim 5 [or 6], characterised in that the method further includes, for user check-out from the hotel and bill settlement, the additional steps of a

user, by means of wireless applications of the mobile terminal, connecting to a hotel search and reservation/booking server, and, while connected to the hotel search and reservation/booking server, communicating to the hotel reservation/IT system a check-out request, receiving therefrom bill information, sending thereto a bill acceptance, receiving from a payment server a payment authorisation request, sending thereto a payment authorisation response, and by the hotel reservation/IT system, upon receiving [receiving] a payment verification, sending a key token deactivation message to the wireless door lock of the respective reserved room.

8. {AMENDED} The method of claim 5 [or 6], characterised in that the method further includes, for user check-out from the hotel and bill settlement by means of triggering of automatic check-out or generation of a payment request from the hotel reservation/IT system to the payment server after exit registration or expiration of the reservation period, the additional steps of registering the exit from the hotel of a user by means of the wireless device of the mobile terminal and an additional wireless device located at the hotel exit, wherein, *if* user payment is registered on or prior to the registration of exit, the check-out is registered, or, if the reservation period expires and user payment is not registered on or prior to the expiration of the reservation period, the hotel reservation/IT system automatically generates a payment request to a payment server is, whereupon the user receives from a payment server a payment authorisation request, sends thereto a payment authorisation response, and wherein the hotel reservation/IT system, upon receiving a payment verification from the payment server, sends a key token deactivation message to the wireless door lock of the respective reserved room.

9. {AMENDED} The method of [any one of claims 5-8] claim 5, characterised in that any short range wireless devices are compliant with the Bluetooth industry standard.

10. {AMENDED} The system of [any one of claims 1-3] claim 1, characterised in that short range wireless devices [(25,16)] associated with mobile terminals [(1)] and wirelessly operable door locks [(32)] are compliant with the Bluetooth industry standard.

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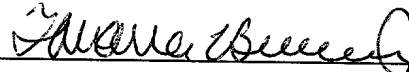
The above amendments are made to place the claims in a more traditional format.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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